



**Update \_2\_0\_146**

**Clinical Reminders**

**VA-EYE CARE AT-RISK SCREEN**

**Install Guide**

**August 2020**

Product Development  
Office of Information Technology  
Department of Veterans Affairs

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# Introduction

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## DESCRIPTION:

**VA-Eye Care At-Risk Screen** reminders are used for the TeleEye Screening program (formerly TeleRetinal Imaging) to identify and monitor patients known to be at risk for Diabetic Retinopathy, Macular Degeneration (AMD) and/or Glaucoma.

The **Eye Care At-Risk Screen Nursing** reminder is used by Primary Care nursing to request a TeleEye Screening exam or Comprehensive Eye Exam (by the Eye Clinic) for patients identified to be at-risk for Diabetic Retinopathy, Macular Degeneration (AMD) and/or Glaucoma.

The **Eye Care At-Risk Screen Provider** reminder is a secondary reminder that populates to the Primary Care provider when 'Declined/Refused' is selected on the primary Nursing reminder or if the nurse indicated that the diabetes diagnosis is not correct for the patient. This secondary reminder allows the Primary Care provider to deliver additional education and encouragement to patients known to be at-risk for these select eye conditions who refused/declined initial referral for eye care.

### 1) **Group criteria:**

- a. **At-Risk Diabetic Retinopathy group criteria:** Type I and II diabetics who have not been seen for eye assessment within the last 1-2 years. The reminder populates for patients who meet this criterion and shows a DUE NOW status indicating referral to Tele-Eye Screening (TeleRetina) is necessary. Once assessed, the reminder is processed for 1 to 2 years determined by the provider.
- b. **At-Risk Macular Degeneration (AMD) group criteria:** must be age 60 years or older, have not been seen for eye assessment within the last 2 years (identified by query of clinical stop codes 718, 407, 408), and have at least one of the ICD9/10 codes listed in the attachment (Macular Degeneration ICD Taxonomy). The reminder populates for patients who meet this criterion and shows a DUE NOW status indicating referral to Tele-Eye Screening (TeleRetina) is necessary. Once assessed, the reminder is processed for 1 to 2 years determined by the provider.
- c. **At-Risk Glaucoma group criteria:** must be age 60 years or older (African American ethnicity 40 years and older), have not been seen for eye assessment within the last 2 years (identified by query of clinical stop codes 718, 407, 408), and have at least one of the ICD9/10 codes listed in the attachment (Glaucoma ICD Taxonomy). The reminder populates for patients who meet this criterion and shows a DUE NOW status indicating referral to Tele-Eye Screening (TeleRetina) is necessary. Once assessed, the reminder is processed for 1 to 2 years determined by the provider.
- d. **Exclusions for eye screening:** for all groups above (a,b,c) this reminder has logic to indicate to the viewer that patients with identified exclusions should not receive eye screening, and instead be referred for a direct in-person comprehensive eye exam.

UPDATE\_2\_0\_146 contains 1 Reminder Exchange entry:  
**UPDATE\_2\_0\_146 VA-EYE CARE AT-RISK SCREEN**

**The exchange file contains the following components:**

**HEALTH FACTORS**

VA-REMINDER UPDATES  
VA-UPDATE\_2\_0\_146  
INCORRECT DIAGNOSES  
VA-INCORRECT DIABETES DIAGNOSIS-PROVIDER  
VA-EYE CARE AT-RISK SCREEN  
VA-OUTSIDE DIAB EYE UNK AT-RISK SCR  
VA-OUTSIDE DIAB EYE ABN AT-RISK SCR  
VA-OUTSIDE DIAB EYE NORMAL AT-RISK SCR  
VA-OUTSIDE EYE AT-RISK SCREEN  
VA-COMP EYE EXAM SCHEDULED  
VA-REFUSED PROV AT-RISK SCREEN  
VA-TRI CATEGORY-DM EYE EXAM  
VA-TRI EYE EXAM SCHEDULED  
VA-INCORRECT DIABETES DIAGNOSIS  
VA-TRI EYE EXAM FUTURE  
VA-REFUSED NURS AT-RISK SCREEN  
VA-TRI DM RETINOP EXAM UNABLE TO ASSESS  
VA-TRR CATEGORY-DM EYE EXAM  
VA-TRR DM RETINOP EXAM UNABLE TO ASSESS  
VA-TRI DM RETINOP EXAM NORMAL  
VA-TRR DM RETINOPATHY EXAM NORMAL  
VA-TRI DM RETINOP EXAM ABNORMAL  
VA-TRR DM RETINOPATHY EXAM ABNORMAL  
VA-TRI MACULA EXAM UNABLE TO ASSESS  
VA-TRR MACULA EXAM UNABLE TO ASSESS  
VA-TRI MACULA EXAM NORMAL  
VA-TRR MACULA EXAM NORMAL  
VA-TRI MACULA EXAM ABNORMAL  
VA-TRR MACULA EXAM ABNORMAL  
VA-TELE EYE GLAUC EXAM UNABLE TO ASSESS  
VA-TELE EYE GLAUCOMA EXAM NORMAL  
VA-TELE EYE GLAUCOMA EXAM ABNORMAL

**REMINDER SPONSOR**

Office of Telehealth Services Store and Forward Telehealth  
Office of Patient Care Services

**REMINDER TAXONOMY**

VA-DIABETES HEDIS  
VA-DIABETES

VA-GLAUCOMA RISK FACTORS  
VA-AMD RISK FACTORS  
VA-ABNORMAL BMI  
VA-CAD  
TOBACCO USE CODES

**REMINDER LOCATION LIST**

VA-AT RISK AMD/GLAUCOMA

**REMINDER TERM**

VA-REMINDER UPDATE\_2\_0\_146  
VA-BL TELE EYE DIABETIC PT  
VA-BL TELE EYE INCORRECT DIABETIC DX  
VA-BL TELE EYE GLAUCOMA PT  
VA-BL TELE EYE AMD PT  
VA-AMD RISK FACTORS  
TELE EYE SCREEN ORDERS  
TELE EYE RETINOPATHY EXAM-UNABLE TO ASSESS  
TELE EYE RETINOPATHY EXAM-NORMAL  
TELE EYE RETINOPATHY EXAM-ABNORMAL  
TELE EYE MACULA EXAM-UNABLE TO ASSESS  
TELE EYE MACULA EXAM-NORMAL  
TELE EYE MACULA EXAM-ABNORMAL  
TELE EYE GLAUCOMA EXAM-UNABLE TO ASSESS  
TELE EYE GLAUCOMA EXAM-NORMAL  
TELE EYE GLAUCOMA EXAM-ABNORMAL  
VA-OUTSIDE EYE AT-RISK SCREEN

**REMINDER DEFINITION**

VA-DIABETES OBJECT  
VA-BL TELE-EYE SCREEN-GLAUCOMA  
VA-OBJ GLAUCOMA RISK FACTORS  
VA-OBJ AMD RISK FACTORS  
VA-EYE CARE AT-RISK SCREEN (PROV)  
VA-EYE CARE AT-RISK SCREEN (NURSE)

**REMINDER DIALOG**

VA-EYE CARE AT-RISK SCREEN (PROV)  
VA-EYE CARE AT-RISK SCREEN (NURSING)

**HEALTH SUMMARY TYPE**

VA-DIABETES OBJECT  
VA-GLAUCOMA RISK FACTORS  
VA-AMD RISK FACTORS

## HEALTH SUMMARY OBJECTS

VA-DIABETES OBJECT (TIU)  
VA-GLAUCOMA RISK FACTORS (TIU)  
VA-AMD RISK FACTORS (TIU)

## TIU DOCUMENT DEFINITION

VA-DIABETES OBJECT  
VA-GLAUCOMA RISK FACTORS  
VA-AMD RISK FACTORS

## Install Details

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This update is being distributed as a web host file. The address for the host file is:  
**[https://Redacted/UPDATE\\_2\\_0\\_146.PRD](https://Redacted/UPDATE_2_0_146.PRD)**

The file will be installed using Reminder Exchange, programmer access is not required.

Installation:  
=====

This update can be loaded with users on the system. Installation will take less than 30 minutes.

## Install Example

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To Load the Web Host File. Navigate to Reminder exchange in Vista



```
+      + Next Screen  - Prev Screen  ?? More Actions  >>>
CFE  Create Exchange File Entry      LHF  Load Host File
CHF  Create Host File                 LMM  Load MailMan Message
CMM  Create MailMan Message           LR   List Reminder Definitions
DFE  Delete Exchange File Entry       LWH  Load Web Host File
IFE  Install Exchange File Entry      RI   Reminder Definition Inquiry
IH   Installation History             RP   Repack
Select Action: Next Screen// LWH  Load Web Host File ←
Input the URL for the .prd file: https://[Redacted]/UPDATE_2_0_146.PRD
```

At the **Select Action:** prompt, enter **LWH** for Load Web Host File

At the **Input the url for the .prd file:** prompt, type the following web address:

**[https://Redacted/UPDATE\\_2\\_0\\_146.PRD](https://Redacted/UPDATE_2_0_146.PRD)**

You should see a message at the top of your screen that the file loaded successfully



```
https://[Redacted]/UPDATE_2_0_146.PRD successfully loaded.
```

Search and locate an entry titled **UPDATE\_2\_0\_146 VA-EYE CARE AT-RISK SCREEN** in reminder exchange.

+Item	Entry	Source	Date Packed
187	UPDATE_2_0_146 VA-EYE CARE AT-RISK SCREEN		07/28/2020@06:49
188	UPDATE_2_0_147 VA-AES ACUTE INPATIENT NSG ADMISSION SCREEN		07/14/2020@17:15
189	UPDATE_2_0_148 VA-COVID-19 TEMPLATE UPDATES		06/03/2020@13:04
190	UPDATE_2_0_149 VA-CSP CAREGIVER TEMPLATES		07/24/2020@12:23
191	UPDATE_2_0_15 VA-LIPID STATIN RX CVD/DM		02/01/2019@07:19

  

+	Next Screen	- Prev Screen	?? More Actions	>>>
CFE	Create Exchange File Entry		LHF Load Host File	
CHF	Create Host File		LMM Load MailMan Message	
CMM	Create MailMan Message		LR List Reminder Definitions	
DFE	Delete Exchange File Entry		LWH Load Web Host File	
IFE	Install Exchange File Entry		RI Reminder Definition Inquiry	
IH	Installation History		RP Repack	
Select Action: Next Screen// IFE Install Exchange File Entry				
Enter a list or range of numbers (1-439): 187				

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry  
 Enter the number that corresponds with your entry **UPDATE\_2\_0\_146 VA-EYE CARE AT-RISK SCREEN** (in this example it is entry 187 it will vary by site). The date of the exchange file should be 07/28/2020.

Component	Category	Exists
Source: [redacted]		
Date Packed: 07/28/2020@06:49:09		
Package Version: 2.0P46		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_146		
REMINDER DEFINITION		
VA-EYE CARE AT-RISK SCREEN (NURSE)		
VA-EYE CARE AT-RISK SCREEN (PROV)		
Keywords:		
Components:		
+ Enter ?? for more actions >>>		
IA	Install all Components	IS Install Selected Component
Select Action: Next Screen// IA		

At the **Select Action** prompt, type **IA** for Install all Components and hit enter.  
 Select Action: Next Screen// **IA Install all Components**  
 You will see several prompts, for all new entries you will choose **I to Install**

For components that already exists but the packed component is different, you will choose **S to Skip**.

You will be prompted to install the reminder first dialog component – VA-EYE CARE AT-RISK SCREEN (PROV)

Packed reminder dialog: **VA-EYE CARE AT-RISK SCREEN (PROV)**

Item	Seq.	Dialog Findings	Type	Exists		
1		VA-EYE CARE AT-RISK SCREEN (PROV)	dialog			
2	2	VA-EYE CARE AT-RISK SCREEN PROVIDER NOTE VERSION Finding: *NONE*	element			
3	5	VA-GP EYE CARE AT-RISK SCREEN PROVIDER Finding: *NONE*	group			
4	5.5	VA-GP EYE CARE AT-RISK PATIENT HISTORY Finding: *NONE*	group			
5	5.5.5	VA-OBJ EYE CARE AT-RISK PT HX-DIABETES Finding: *NONE*	element			
6	5.5.10	VA-OBJ EYE CARE AT-RISK PT HX-MACULAR DEGENERATION Finding: *NONE*	element			
7	5.5.15	VA-OBJ EYE CARE AT-RISK PT HX-GLAUCOMA Finding: *NONE*	element			
<b>+ + Next Screen - Prev Screen ?? More Actions</b>						
DD	Dialog Details		DT	Dialog Text	IS	Install Selected
DF	Dialog Findings		DU	Dialog Usage	QU	Quit
DS	Dialog Summary		IA	Install All		
Select Action: Next Screen// IA						

At the **Select Action** prompt, type **IA** to install the dialog – **VA-EYE CARE AT-RISK SCREEN (PROV)**

Select Action: Next Screen// **IA Install All**

Install reminder dialog and all components with no further changes: Y// **Yes**

At the end of the dialog install, you will see this prompt, hit enter to link the dialog to the reminder definition:

Select Reminder to Link: VA-EYE CARE AT-RISK SCREEN (PROV)//

```

Packed reminder dialog: VA-EYE CARE AT-RISK SCREEN (PROV)
VA-EYE CARE AT-RISK SCREEN (PROV) (reminder dialog) installed from exchange file
Item  Seq.  Dialog Findings                                     Type  Exists
  1    VA-EYE CARE AT-RISK SCREEN (PROV)                   dialog  X
  2    2 VA-EYE CARE AT-RISK SCREEN PROVIDER NOTE VERSION   element  X
      Finding: *NONE*
  3    5 VA-GP EYE CARE AT-RISK SCREEN PROVIDER             group   X
      Finding: *NONE*
  4    5.5 VA-GP EYE CARE AT-RISK PATIENT HISTORY           group   X
      Finding: *NONE*
  5    5.5.5 VA-OBJ EYE CARE AT-RISK PT HX-DIABETES        element  X
      Finding: *NONE*
  6    5.5.10 VA-OBJ EYE CARE AT-RISK PT HX-MACULAR        element  X
      DEGENERATION
      Finding: *NONE*
  7    5.5.15 VA-OBJ EYE CARE AT-RISK PT HX-GLAUCOMA       element  X
+      + Next Screen  - Prev Screen  ?? More Actions
DD  Dialog Details      DT  Dialog Text      IS  Install Selected
DF  Dialog Findings    DU  Dialog Usage     QU  Quit
DS  Dialog Summary     IA  Install All
Select Action: Next Screen// Q

```

After completing this dialog install, you will type Q.  
You will then be prompted to install the reminder second dialog component – VA-EYE CARE AT-RISK SCREEN

```

Packed reminder dialog: VA-EYE CARE AT-RISK SCREEN (NURSING)
Item  Seq.  Dialog Findings                                     Type  Exists
  1    VA-EYE CARE AT-RISK SCREEN (NURSING)                   dialog
  2    2 VA-EYE CARE AT-RISK SCREEN NURSE NOTE VERSION       element
      Finding: *NONE*
  3    5 VA-GP EYE CARE AT-RISK SCREEN NURSE                 group
      Finding: *NONE*
  4    5.5 VA-GP EYE CARE AT-RISK PATIENT HISTORY           group   X
      Finding: *NONE*
  5    5.5.5 VA-OBJ EYE CARE AT-RISK PT HX-DIABETES        element  X
      Finding: *NONE*
  6    5.5.10 VA-OBJ EYE CARE AT-RISK PT HX-MACULAR        element  X
      DEGENERATION
      Finding: *NONE*
  7    5.5.15 VA-OBJ EYE CARE AT-RISK PT HX-GLAUCOMA       element  X
+      + Next Screen  - Prev Screen  ?? More Actions
DD  Dialog Details      DT  Dialog Text      IS  Install Selected
DF  Dialog Findings    DU  Dialog Usage     QU  Quit
DS  Dialog Summary     IA  Install All
Select Action: Next Screen// IA

```

At the **Select Action** prompt, type **IA** to install the dialog – **VA-EYE CARE AT-RISK SCREEN**

Select Action: Next Screen// **IA Install All**

Install reminder dialog and all components with no further changes: Y// **Yes**

At the end of the dialog install, you will see this prompt, hit enter to link the dialog to the reminder definition:

Select Reminder to Link: VA-EYE CARE AT-RISK SCREEN (NURSE)//

```
Packed reminder dialog: VA-EYE CARE AT-RISK SCREEN (NURSING)
VA-EYE CARE AT-RISK SCREEN (NURSING) (reminder dialog) installed from exchange f
```

Item	Seq.	Dialog Findings	Type	Exists
1		VA-EYE CARE AT-RISK SCREEN (NURSING)	dialog	X
2	2	VA-EYE CARE AT-RISK SCREEN NURSE NOTE VERSION Finding: *NONE*	element	X
3	5	VA-GP EYE CARE AT-RISK SCREEN NURSE Finding: *NONE*	group	X
4	5.5	VA-GP EYE CARE AT-RISK PATIENT HISTORY Finding: *NONE*	group	X
5	5.5.5	VA-OBJ EYE CARE AT-RISK PT HX-DIABETES Finding: *NONE*	element	X
6	5.5.10	VA-OBJ EYE CARE AT-RISK PT HX-MACULAR DEGENERATION Finding: *NONE*	element	X
7	5.5.15	VA-OBJ EYE CARE AT-RISK PT HX-GLAUCOMA	element	X

```
+ + Next Screen - Prev Screen ?? More Actions
DD Dialog Details DT Dialog Text IS Install Selected
DF Dialog Findings DU Dialog Usage QU Quit
DS Dialog Summary IA Install All
Select Action: Next Screen// Q
```

After completing this dialog install, you will type Q.

**You will then be prompted to install the health summary components.**

for all new entries you will choose **I to Install**

For components that already exists but the packed component is different, you will choose **S to Skip.**

**You will then be brought back to this screen where you will type Q for quit**

Component	Category	Exists
Source: [REDACTED]		
Date Packed: 07/28/2020@06:49:09		
Package Version: 2.0P46		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_146		
REMINDER DEFINITION		
VA-EYE CARE AT-RISK SCREEN (NURSE)		
VA-EYE CARE AT-RISK SCREEN (PROV)		
Keywords:		
Components:		
+ Enter ?? for more actions >>>		
IA	Install all Components	IS Install Selected Component
Select Action: Next Screen// Q		

You will then be returned to this screen. At the **Select Action** prompt, type **Q.**

Install complete.

# Post Installation

---

## 1. Edit Reminder Term TELE EYE SCREEN ORDERS

- a. Add any local health factors that your facility uses to indicate the patient has had Tele-Eye Screening.
- b. Add local orderable items (OI) for Tele-Eye Screening.

## 2. Add orders as an additional finding item to the following reminder dialog elements.

- i. ELEMENT VAL-OI EYE CARE AT-RISK RETINAL IMAGE CONSULT
  1. ADD LOCAL QUICK ORDER FOR RETINAL IMAGE CONSULT
- ii. ELEMENT VAL-OI EYE CARE AT-RISK EYE GLASS CONSULT
  1. ADD LOCAL QUICK ORDER/PROCESS FOR SCHEDULING AN EYE CLINIC APPOINTMENT FOR GLASSES
- iii. ELEMENT VAL-OI EYE CARE AT-RISK COMP EYE EXAM CONSULT
  1. ADD LOCAL QUICK ORDER/PROCESS FOR SCHEDULING AN EYE CLINIC APPOINTMENT

## 3. The following reminder terms can be edited to add local findings that have the same meaning. (optional)

Add any local finding to the following reminder terms

- a. Tele Eye Glaucoma Exam-Abnormal
- b. Tele Eye Glaucoma Exam-Normal
- c. Tele Eye Glaucoma Exam-Unable to Assess
- d. Tele Eye Macula Exam-Abnormal
- e. Tele Eye Macula Exam-Normal
- f. Tele Eye Macula Exam-Unable to Assess
- g. Tele Eye Retinopathy Exam-Abnormal
- h. Tele Eye Retinopathy Exam-Normal
- i. Tele Eye Retinopathy Exam-Unable to Assess
- j. Tele Eye Screen Orders
- k. VA-Life Expectancy < 6 Months
- l. VA-Outside Eye At-Risk Factor

## 4. Add the new reminder definitions to your cover sheet and assign to the appropriate users at your facility.